Approved For Release 2006/04/13 : CIA-RDP67B00511R000100180044-4

27 June 1961

OXO-1864
COPY 1 OF 2

PROTOTYPE TEST SCHEDULE - SUMMARY:

PROBLEM:

There is a conflict in our original test plan sequence and the presently scheduled start of local flight tests (1 Oct 61).

ORIGINAL TEST PLAN SEQUENCE:

1st - Debug, operate complete, measure "bench" performance on rock & roll without environment.

2nd - Environmental test.

3rd - Modify, RFI test, and local flight preparation.

4th - Local flight test.

25X1A 5th - Clean up and ship [redacted]

25X1A 6th - [redacted] flight test.

This has the virtue of local flight testing a unit as close to that felt to be ultimately delivered. That is, it should be able to work under environmental conditions.

SCHEDULE 1:

This schedule was arranged to obtain the highest probability of meeting a 1 Oct. flight test date with a system in adequate condition to be worth testing. It does not permit environmental or RFI test prior to 1 Oct., and has no allowance for unexpected problems. Changes required to make the system satisfactory in the environment could not be tested locally.

SCHEDULE 2:

This schedule is an attempt to provide reasonable contingency and the original test plan sequence.

SCHEDULE 3:

This schedule is identical to #2, but removes all contingency.

RECOMMENDATION:

Schedule 2.

(Concur: RMS and MDR)

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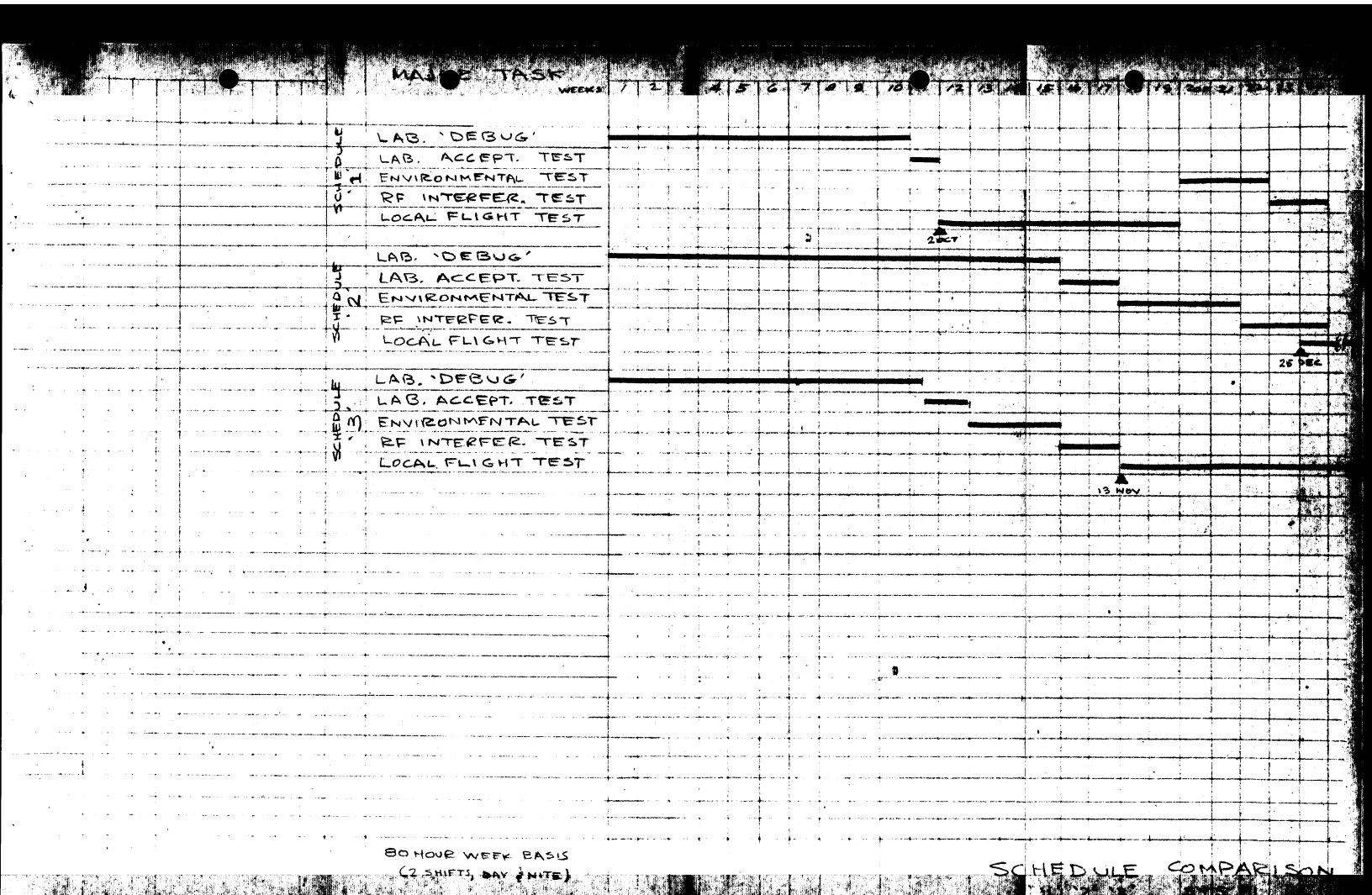


80 HOUR WEEK BASIS
(2 SHIFTS, DAY & NITE)

SCHEDULE COMPARISON

SE ELEC	SE OPT & PROG	S/C ELEC	S/C OPT & PROG	MOD SHP ELEC	MOD SHP MECH	MOD SHP OPTICS	COMMUT	ADM.	TEST LOCAT		WK, START
2		2		3		1		1	HC	ON-OFF-STDBY, POWER	7/7
2		2		4	1			1	HC	WIRING ERRORS - MAJOR	7/20
2		2		2	2	2		1	HC	MECH. INTERFER. - MAJOR	7/31
2		2	1	2	2		1	1	HC	FUNCTION [Qualitative Dummy Vibration Inputs]	8/7
1	1	1			2	2		1	RR	R&R LOADING PROC. (dry run)	8/14
	2	2	2	2		3	1	1	RR	STATIC OPT., PICS [Extended 30g]	8/21
1		1		1	1				RP	HEADING REF	8/28
		1		1			1		RR	V/A SIGNAL	9/4
5	4	12	5	6	5	4	4	1	RR	SCAN: PICS (caged); IMC	9/11
										SCANNER	9/18
										SYNCHRON.	9/25
										CAPSTAN	10/2
										FILM XPT	10/9
2		3		3	1		1	1	HC	STABIL, WGT&BAL, TUNING	10/16
									HC	STABIL, FUNCTION	10/23
									HC	STABIL, FILM MOVING	10/30
2		3		3	2			1	RP	STABIL, R&R OPN	11/6
									RR	STABIL, R&R+FILMXPT	11/13
5	4	15	5	6	5	4	2	1	RR	PICS: Capstan off R&R off Stabil on	11/20
									RR	PICS: Capstan on R&R off Stabil on	11/27
									RR	PICS: Capstan on R&R on Stabil on	12/4
									RR	PICS: with window	12/11
				ENVIRONMENTAL							12/18
1	1	2		3	2			1	ENV	SET-UP & CLEAN UP	12/25
2	2	3	2	3	1	1		1	ENV	ENVIRON. TEST	1966
2		4		3	1			1	HC	RFI TEST	
				LOCAL FLIGHT TESTS							
2	2	6	4	6	4	2	2	1		PREPARATION & CLEAN UP	
3	2	6	3	4	3	2		2	A/C	FLIGHTS 1 THRU 7 & DATAPED, DUMMY PLATFORM, VIBRTN RUN	

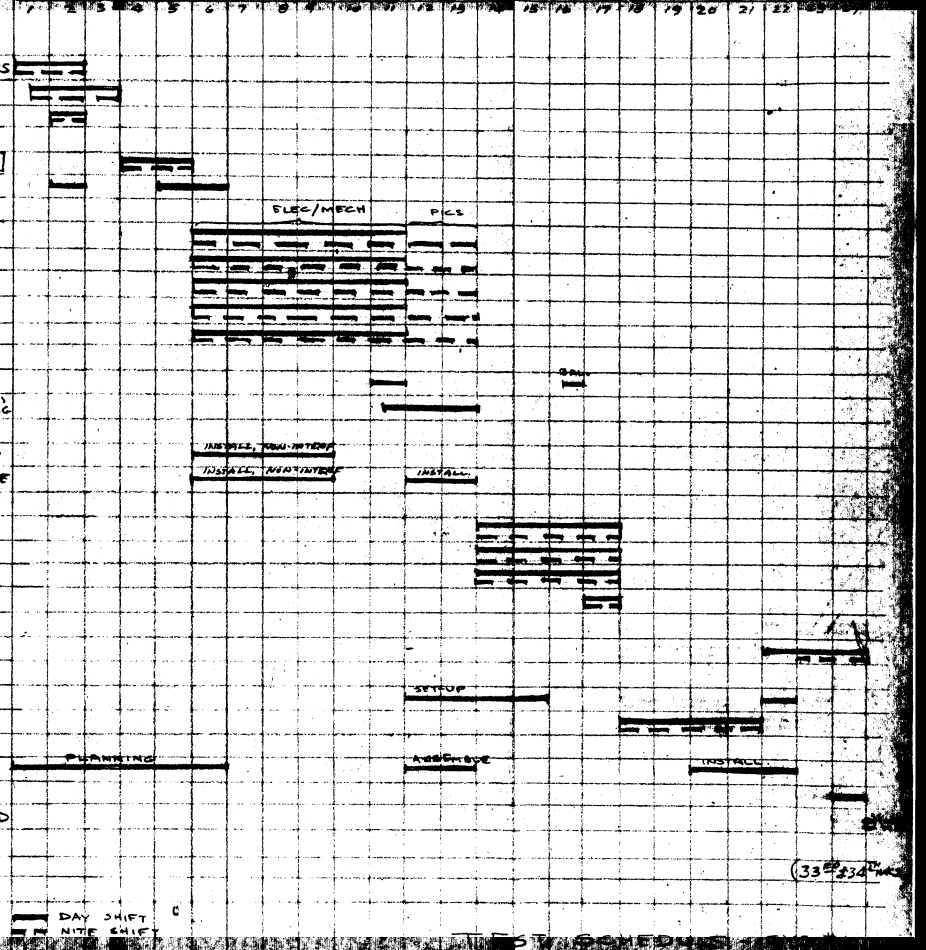
Add: a) Capping Shutter
b) SIM control
c) Dark Chamber
d) Cager
e) Exposure Control
f) IT Scan Idle mode
g) Light tight cover
h) V/A override
i) Prevent film run out

H.C.; ELEC/MECH RR PICS

A/C C-119

SYS ENGR	S/C OPT	S/C ELEC	S/C MECH	ELEC	MECH	OPT	DATA PROC	CAL/VAL	ROLL/YAW	TEST LOCATION	
2		2		4	3		3		1	HC	ON-OFF, FIX GROSS ERRORS
2		2	1	2		2		1	1	HC	FUNCTION [Qualitative Dummy Inputs]
1	1	1			2	2			1	RR	LOADING PROC. [RR Film]
	2	2	2	2		3	1		1	RR	STATIC, OPTICS, PICS [Ground Stds]
1		2		2	1			1	1	RR	HEADING REF. & V/H SIG
4	4	10	5	4	4	2	2		1	RR	SCAN, PICS (coged): FILM XPT
										HC	METERING
											SCANNER
											SYNCHRON
											IMC
2		3		3	2		1		1	HC	STABIL, BAL, FUNCTION
										RR	STABIL, INT'N'L, & EXTNL FORCE
1		2		2	1		2		1	HC	SHUTTER, SLITS, DATA CHMBR
1		2		2	1		2		1	HC	CAGER, EXP CNTRL, SCAN IDLE
5	4	12	5	6	5	4	4		1	RR	PICS: Film XPT OFF STABIL ON R&R OFF
										RR	PICS Film XPT ON STABIL ON R&R OFF
										RR	PICS R&R XPT ON STABIL ON
										RR	PICS: WITH WINDOW
2		4		3	1				1	HC	RF INTER. SET-UP & TEST
1	1	2		3	2				1	ENV	ENVIRON, SET-UP, CLEAN-UP
2	2	3	2	3	1	2				ENV	ENVIRON TEST
2	2	6	4	6	4	2	2		1	HC	PREP. FOR FLIGHT
3	2	6	3	4	3	2			2	A/C	DRY RUN FOR VIBR'N
3	2	6	3	4	3	2			2	A/C	FLIGHTS 1 THRU 7 & DATA RED
2	2	4	2	4	3	1	2		1	HC	CLEAN-UP

HC — HANDLING CART
RR — ROCK & ROLL (ATTITUDE) TABLE



33rd & 34th WEEK

RELAY RACK OPT	ELEC PWR OPT	ELEC PWR QTY	ENVIR FUEL	ENVIR MAN'L OPT	ENVIR DEPRESS	ENVIR CONTROL	ENVIR ANALYSIS	PROG		WEEKS
2		2	4	3	3		1	HC	ON-OFF, FIX GROSS ERRORS	
2		2	1	2	2	1	1	HC	FUNCTION [qualitative Dummy inputs]	
1	1	1			2	2	1	RR	LOADING PROCED. [R&R Film]	
	2	2	2	2	3	1	1	RR	STATIC, OPTICS PICS [Establ. std]	
1		2	.	2	1	1	1	RR	HEAD'G REF & V/H SIG.	
4	4	10	5	4	4	2	2	1	RR & HC	SCAN, PICS (caged): FILM XPT
										METERING
										SCANNER
										SYNCHRON
										IMC
2		3		3	2	1	1	HC	STABIL, BAL, FUNCT'N	
								RR	STABIL, INT'N'L & EXT'N'L FORC'G	
5	4	12	5	6	5	4	4	1	RR	PICS: Film Xpt off Stabil on W&R off
									RR	PICS: Film Xpt on Stabil on R&R off
									RR	PICS: Film Xpt on Stabil on R&R on
									RR	PICS: with window
1		2		2	1	2	1	HC	SHUTTER, SLITS, DATA CHMBR	
1		2		2	1	2	1	HC	CAGER, EXP CNTRL, SCAN IDLE	
2		4		3	1		1	HC	RF INTER. SETUP & TEST	
1	1	2		3	2		1	ENV	SET-UP & CLEAN-UP	
2	2	3	2	3	1	2	1	ENV	ENVIRON. TEST	
2	2	6	4	6	4	2	2	1	HC	PREPARATION FOR FLIGHT
3	2	6	3	4	3	2	2	A/C	DRY RUN FOR VIBRAT'N	
3	2	6	3	4	3	2	2	A/C	FLIGHTS 1 THRU 7 & DATA RED	

ELEC/MECH PICS

HC HANDLING CART
RR ROCK & ROLL (ATTITUDE) TABLE
ENV ENVIRONMENTAL CHAMBER

DAY SHIFT
NITE SHIFT